AF

019664-000400US
March 3, 2000

DIALOG(R)File 351:DERWENT WPI

008117031
WPI Acc No: 90-004032/199001
XRAM Acc No: C90-001738
XRPX Acc No: N90-003087
Immuno-potentiator for fortified antigen and immunisation procedure - composed of cellulose net-like particles of nitrocellulose, for inoculation of animals
Patent Assignee: RIKAGAKU KENKYUSHO (RIKA)
Number of Countries: 001 Number of Patents: 002
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Main IPC	Week
JP 1287032	A	19891117	JP 88114441	A	19880511		199001 B
JP 95116057	B2	19951213	JP 88114441	A	19880511	A61K-039/39	199603

Priority Applications (No Type Date): JP 88114441 A 19880511
Patent Details:

Patent	Kind	Lan	Pg	Filing Notes	Application	Patent
JP 1287032	A		6			
JP 95116057	B2		5	Based on		JP 1287032

Abstract (Basic): JP 1287032 A
Immunopotentiator is composed of cellulose net-like particles. Cellulose material is nitrocellulose. Fortified antigen is composed of the immunopotentiator and antigen absorbed onto the carrier. The animal is inoculated with the fortified antigen for immunization and antibody prodn.
USE/ADVANTAGE - The immunopotentiator is used to increase immunogenicity and activate immunoreaction. The fortified antigen is used as vaccine or for prodn. of monoclonal antibody and various antibodies. Monoclonal antibody can be prepd. less expensively and vaccine can be prepd. against the virus with very low immunogenicity.
Title Terms: IMMUNO; POTENTIATE; FORTIFIED; ANTIGEN; IMMUNE; PROCEDURE; COMPOSE; CELLULOSE; NET; PARTICLE; NITROCELLULOSE; INOCULATE; ANIMAL
Derwent Class: A96; B04; D16; S03
International Patent Class (Main): A61K-039/39
International Patent Class (Additional): A61K-031/72; A61K-039/385; C12P-021/00; G01N-033/53
File Segment: CPI; EPI
Manual Codes (CPI/A-N): A03-A03; A12-V; A12-V01; B02-V02; B04-B04C1; B04-C02A; B12-A01; B12-C09; B12-M11D; D05-H07
Manual Codes (EPI/S-X): S03-E14H4
Plasdoc Codes (KS): 0231 1974 1976 2541 3272 2766 2767
Polymer Fragment Codes (PF):
001 014 04- 065 231 239 252 393 525 53& 611 623 624 645
Chemical Fragment Codes (M1):
01 K0 K7 K710 M280 M320 M421 M423 M781 M903 P210 P220 P434 Q233 V270 V280 V712
02 M423 M720 M903 N131 N133 N136 Q233 V600 V611
Derwent Registry Numbers: 1861-U

019664-000400US
March 3, 2000

02989432
ADJUVANT, REINFORCED ANTIGEN AND IMMUNIZATION

PUB. NO.: 01 -287032 [JP 1287032 A]
PUBLISHED: November 17, 1989 (19891117)
INVENTOR(s): MURAKAMI YASUFUMI
SAIJO MASAFUMI
ONO TADAO
IGAWA YOJI
APPLICANT(s): RIKAGAKU KENKYUSHO [000679] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 63-114441 [JP 88114441]
FILED: May 11, 1988 (19880511)
INTL CLASS: [4] A61K-031/735; A61K-031/715; A61K-039/385; A61K-039/39; C12P-021/00; G01N-033/531
JAPIO CLASS: 14.4 (ORGANIC CHEMISTRY -- Medicine); 14.5 (ORGANIC CHEMISTRY -- Microorganism Industry); 46.2 (INSTRUMENTATION -- Testing)
JAPIO KEYWORD: R014 (MICROFILTERS)
JOURNAL: Section: C, Section No. 685, Vol. 14, No. 63, Pg. 75, February 06, 1990 (19900206)

ABSTRACT

PURPOSE: To obtain an adjuvant to reinforce immunogenicity and to activate immunological reactions artificially carried out in organisms, comprising network structure particles of cellulosic material.

CONSTITUTION: An adjuvant comprising network structure particles of cellulosic material (e.g., nitrocellulose, cellulose phosphate or CMC), preferably particles having 50-200.mu.m, especially 100-200.mu.m diameter and 0.1-0.6.mu.m mesh size of net. The particles, for example, are prepared by finely cutting membrane filters comprising nitrocellulose as a raw material and grinding into a powdery state. Immunization of animal using an extremely small amount of antigen or an antigen having low immunogenicity is made possible by preparing a reinforced antigen comprising a carrier consisting of the adjuvant and an antigen adsorbed on the carrier. Only synthesis of the aimed specific antibody can be introduced without introducing synthesis of nonspecific antibody.